

FORM PTO 1449 (modified)		ATTY DOCKET NO. 00684.003260.		APPLICATION NO. 09/987,490			
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT Keiji Komoto, et al.					
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		FILING DATE November 15, 2001		GROUP 1752⁶			
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
JMD	4,292,387	9/81	Kanbe, et al.	430	102		
JMD	4,451,547	5/84	Hirai, et al.	430	128		
JMD	4,530,894	7/85	Imamura, et al.	430	106.6		
JMD	4,559,289	12/85	Sunagawa, et al.	430	66		
JMD	4,620,987	11/86	Yamashita, et al.	427	131		
JMD	4,804,609	2/89	Imanaka, et al.	430	106.6		
JMD	4,851,960	7/89	Nakamura, et al.	361	225		
JMD	5,432,037	7/95	Nishikiori, et al.	430	126		
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
JMD	EP	0851307A	7/98	Europe			
JMD	54	086341	7/79	Japan			Abstract and U.S. Pat. No. 4,451,547
JMD	55	18656	2/80	Japan			Abstract and U.S. Pat. No. 4,292,387
JMD	56	142540	11/81	Japan			Abstract
JMD	57	151952	9/82	Japan			Abstract
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER NOTE, JANIS L				DATE CONSIDERED 2/27/03			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY DOCKET NO. 00684.003260.		APPLICATION NO. 09/987,490	
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				APPLICANT Keiji Komoto, et al.			
FILING DATE November 15, 2001				GROUP 1752 6			
U.S. PATENT DOCUMENTS							
EXAMINER		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JMD		5,840,755	1/96	Uchiyama, et al.	430	406.6	
JMD		5,637,432	6/97	Okado, et al.	430	110	
JMD		6,081,681	6/00	Nagase, et al.	399	174	
JMD		6,128,456	10/00	Chigono, et al.	399	176	
JMD		6,316,156	11/01	Takiguchi, et al.	430	109.4	6/21/95
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
JMD	59	168458	9/84	Japan			Abstract
JMD	59	200254	11/84	Japan			Abstract and U.S. Pat. No. 4,530,894
JMD	59	200256	11/84	Japan			Abstract and U.S. Pat. No. 4,530,894
JMD	59	200257	11/84	Japan			Abstract and U.S. Pat. No. 4,530,894
JMD	59	224102	12/84	Japan			Abstract and U.S. Pat. No. 4,620,987
JMD	60	3181	01/85	Japan			Abstract
JMD	60	12554	1//85	Japan			Abstract and U.S. Pat. No. 4,559,289
JMD	60	69660	4/85	Japan			Abstract
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER NOTE, JANISL				DATE CONSIDERED 2/27/03			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				ATTY DOCKET NO. 00684.003260.				APPLICATION NO. 09/987,490	
APPLICANT Keiji Komoto, et al.				FILING DATE November 15, 2001		GROUP 1752 6			
U.S. PATENT DOCUMENTS									
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
<i>JP</i>	61	141452	6/86	Japan			Abstract		
<i>JP</i>	61	249059	11/86	Japan			Abstract		
<i>JP</i>	61	275864	12/86	Japan			Abstract		
<i>JP</i>	62	258472	11/87	Japan			Abstract		
<i>JP</i>	63	149669	6/88	Japan			Abstract and U.S. Pat. No. 4,851,960		
<i>JP</i>	63	250660	10/88	Japan			Abstract		
<i>JP</i>	2	111962	4/90	Japan			Abstract		
<i>JP</i>	2	120865	5/90	Japan			Abstract		
<i>JP</i>	4	9860	1/92	Japan			Abstract		
<i>JP</i>	4	264453	9/92	Japan			Abstract		
<i>JP</i>	5	66608	3/93	Japan			Abstract and U.S. Pat. No. 5,480,755		
<i>JP</i>	5	150539	6/93	Japan			Abstract and U.S. Pat. No. 5,432,037		
<i>JP</i>	5	346682	12/93	Japan			Abstract		
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)									
EXAMINER <i>DOTE, JANIS L</i>				DATE CONSIDERED <i>2/27/03</i>					

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				ATTY DOCKET NO. 00684.003260.		APPLICATION NO. 09/987,490	
<div style="position: relative; width: 100px; height: 100px; margin: auto;"> <div style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; border: 1px solid black; border-radius: 50%; display: flex; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">PATENT & TRADEMARK OFFICE</div> <div style="text-align: center;"> <div style="font-size: 2em; font-weight: bold; transform: rotate(-45deg);">COPY</div> <div style="font-weight: bold;">JAN 23 2002</div> </div> </div> </div>				APPLICANT Keiji Komoto, et al.		GROUP 1752⁶	
				FILING DATE November 15, 2001			
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
JM	7	99442	10/95	Japan			No
JM	10	239897	9/98	Japan			Abstract and EP 851307
JM	10	307421	11/98	Japan			Abstract
JM	10	307455	11/98	Japan			Abstract and U.S. Pat. No. 6,128,456
JM	10	307456	11/98	Japan			Abstract and U.S. Pat. No. 6,128,456
JM	10	307457	11/98	Japan			Abstract and U.S. Pat. No. 6,081,681
JM	10	307458	11/98	Japan			Abstract
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER				DATE CONSIDERED			
DOTE, JAVIS L				2/27/03			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.